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Attorney's Docket No.: 07402-026001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Bo Pi, et al.  
Serial No. : 09/838,707  
Filed : April 18, 2001  
Title : BACKSIDE ILLUMINATED PHOTODIODE ARRAY

Art Unit : 2822 (TECHNOLOGY CENTER 2000)  
Examiner : Kiesha L. Rose

Commissioner for Patents  
Washington, D.C. 20231

RESPONSE

In response to the action mailed April 8, 2002, please amend the application as follows:

In the claims:

Please amend claims 1-8, 10, 11, 13, 15, 16, 18-21, and 24-28 as follows:

-- 1. (Amended) A semiconductor position-sensitive radiation detection device, comprising:

a substrate formed of a semiconductor material doped to exhibit a first conductivity type and configured to have first and second surfaces opposing each other, the substrate having a bias layer proximate to the first surface and electrically coupled to the substrate, and an array of doped gate regions of a second conductivity type proximate to the second surface; and

a grid of conducting wires proximate to and in electrical contact with the bias layer and configured to define an array of pixels corresponding to the array of doped gate regions;

wherein the grid of conducting wires is configured to be electrically coupled to a voltage source and to distribute a bias voltage on the bias layer so as to bias the substrate with respect to the doped gate regions.

Mail date: 03/04/2002  
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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

August 8, 2002  
Date of Deposit

Signature

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